

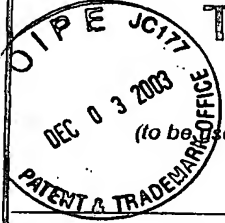
Please type a plus sign (+) inside this box → ☐

Image AF/2833
#

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

 TRANSMITTAL FORM	Application Number	10/084,301
	Filing Date	02/28/02
	First Named Inventor	TSUNEMATSU, K.
	Group Art Unit	2833
	Examiner Name	PAUMEN, GARY F
	Attorney Docket Number	H0204T
Total Number of Pages in This Submission		

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> Alter Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Satoru Takeuchi, KANESAKA & TAKEUCHI
Signature	
Date	12/03/03

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <input type="text"/>			
Typed or printed name			
Signature		Date	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

FEETRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 510.00

Complete if Known

Application Number	10/084,301
Filing Date	02/28/02
First Named Inventor	TSUNEMATSU, K.
Examiner Name	PAUMEN, GARY F
Group Art Unit	2833
Attorney Docket No.	H0204T

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 20-0060

Deposit Account Name: Takeuchi Patent Office

☒ Charge Any Additional Fee Required Under 37 CFR 1.10 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$) 0

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from Policy	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
103 10	203 9	Claims in excess of 20	
102 80	202 40	Independent claims in excess of 3	
104 270	204 135	Multiple dependent claims, if not paid	
109 80	209 40	** Retain independent claims over original patent	
110 10	210 9	** Retain claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 0

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SR prior to Examiner action	
113 1,040*	113 1,040*	Requesting publication of SR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	330
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(a)	
126 180	126 180	Submission of Information Disclosure Sheet	180.00
501 40	501 40	Recording each patent assignment per property (lines number of properties)	
148 710	248 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 510.00

SUBMITTED BY

Name (Print type)

Satoru Takeuchi

Signature

S. Takeuchi

Registration No. (Attorney/Agent)

53,670

Complete (if applicable)

Telephone

(703) 519-9785

Date

12/03/03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



P.B.5818 - Patentlaan 2
2280 HV Rijswijk (ZH)
☎ +31 70 340 2040
TX 31651 epo nl
FAX +31 70 340 3016

Europäisches
Patentamt

Zweigstelle
in Den Haag
Recherchen-
abteilung

European
Patent Office

Branch at
The Hague
Search
division

Offic européen
des brevets

Département à
La Haye
Division de la
recherche

Pätzold, Herbert, Dr.-Ing.
Dr. Pätzold, Buhl-Müller, Tandler &
Kollegen
Steubstrasse 10
82166 Gräfelfing
ALLEMAGNE

EINGEGANGEN

18. Okt. 2003

Erl.:

Datum/Date

20.10.03

Zeichen/Ref./Réf.

3731

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

02006060.4-1231-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

HIROSE ELECTRIC CO., LTD.

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1A

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 00 6060

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 926 778 A (JAPAN SOLDERLESS TERMINAL MFG ; SONY CORP (JP)) 30 June 1999 (1999-06-30)	1, 2, 8	H01R12/24
A	* abstract; claims; figures *	3-7, 9	
X	EP 0 696 090 A (HIROSE ELECTRIC CO LTD) 7 February 1996 (1996-02-07)	5	
X	EP 0 026 568 A (AMP INC) 8 April 1981 (1981-04-08)	1, 2	
A	* abstract; claims; figures *	3-9	
X	EP 0 895 320 A (HIROSE ELECTRIC CO LTD) 3 February 1999 (1999-02-03)	1, 2	
X	EP 1 043 806 A (HIROSE ELECTRIC CO LTD) 11 October 2000 (2000-10-11)	1, 2	
A	* abstract; claims; figures *	3-9	
X	EP 0 773 608 A (HIROSE ELECTRIC CO LTD) 14 May 1997 (1997-05-14)	1, 2	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	* abstract; claims; figures *	3-9	H01R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 October 2003	Examiner Durand, F
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 00 6060

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-10-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 0926778	A	30-06-1999	JP	3075707 B2	14-08-2000
			JP	11185896 A	09-07-1999
			CA	2251206 C	05-06-2001
			EP	0926778 A2	30-06-1999
			US	6056572 A	02-05-2000
EP 0696090	A	07-02-1996	JP	2892945 B2	17-05-1999
			JP	8050968 A	20-02-1996
			DE	69515229 D1	06-04-2000
			DE	69515229 T2	30-11-2000
			EP	0696090 A2	07-02-1996
			KR	154609 B1	16-11-1998
			US	5580272 A	03-12-1996
EP 0026568	A	08-04-1981	US	4252392 A	24-02-1981
			US	4334728 A	15-06-1982
			AR	222406 A1	15-05-1981
			AT	2919 T	15-04-1983
			AU	532395 B2	29-09-1983
			AU	6160680 A	09-04-1981
			BR	8005522 A	17-03-1981
			CA	1135357 A1	09-11-1982
			DE	3062533 D1	05-05-1983
			EP	0026568 A1	08-04-1981
			ES	8105894 A1	01-09-1981
			HK	3787 A	16-01-1987
			IE	50044 B1	05-02-1986
			JP	1060908 B	26-12-1989
			JP	1573294 C	20-08-1990
			JP	56041678 A	18-04-1981
			MX	147914 A	31-01-1983
EP 0895320	A	03-02-1999	JP	3356265 B2	16-12-2002
			JP	11054218 A	26-02-1999
			EP	0895320 A2	03-02-1999
			US	6116947 A	12-09-2000
EP 1043806	A	11-10-2000	JP	3098944 B2	16-10-2000
			JP	9134763 A	20-05-1997
			JP	3064232 B2	12-07-2000
			JP	9283237 A	31-10-1997
			EP	1043806 A2	11-10-2000
			EP	1058350 A2	06-12-2000
			DE	69623724 D1	24-10-2002
			DE	69623724 T2	30-01-2003
			EP	0773608 A2	14-05-1997

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 00 6060

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-10-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 1043806	A		KR	220657 B1	15-09-1999
			US	5904586 A	18-05-1999
			US	5785549 A	28-07-1998

EP 0773608	A	14-05-1997	JP	3098944 B2	16-10-2000
			JP	9134763 A	20-05-1997
			JP	3064232 B2	12-07-2000
			JP	9283237 A	31-10-1997
			DE	69623724 D1	24-10-2002
			DE	69623724 T2	30-01-2003
			EP	1043806 A2	11-10-2000
			EP	1058350 A2	06-12-2000
			EP	0773608 A2	14-05-1997
			KR	220657 B1	15-09-1999
			US	5904586 A	18-05-1999
			US	5785549 A	28-07-1998
